

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GU 03726

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/50 G01N1/31 G01N21/17 G02B21/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 095476 A (MEDICAL RES COUNCIL ; PERRY PAUL ERNEST (GB); SHARPE JAMES ALEXANDE) 28 November 2002 (2002-11-28) page 2 -page 20; claims; figures --- -/-	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

21 November 2003

Date of mailing of the international search report

19/12/2003

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP03726

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SHARPE J ET AL: "OPTICAL PROJECTION TOMOGRAPHY AS A TOOL FOR 3D MICROSCOPY AND GENE EXPRESSION STUDIES"  SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US,  vol. 296, 19 April 2002 (2002-04-19),  pages 541-545, XP001152115  ISSN: 0036-8075  cited in the application  *see also the supplemental data part of this article relating to "specimen staining " and "imaging" at  www.sciencemag.org/cgi/content/full/296/5567/541/DC1*  page 543; figure 1</p>	1-10
P,A	<p>SHARPE J: "Optical projection tomography as a new tool for studying embryo anatomy"  JOURNAL OF ANATOMY 01 FEB 2003 UNITED KINGDOM,  vol. 202, no. 2,  1 February 2003 (2003-02-01), pages  175-181, XP002262076  ISSN: 0021-8782  the whole document</p>	1-10
A	<p>SHARPE JAMES: "OPT microscopy: A new approach for 3D microscopy and gene expression studies"  FASEB JOURNAL,  vol. 16, no. 5,  22 March 2002 (2002-03-22), page A1092  XP009021394  Annual Meeting of Professional Research Scientists on Experimental Biology; New Orleans, Louisiana, USA; April 20-24, 2002  ISSN: 0892-6638  abstract</p>	1-10
A,P	<p>KENG WEE TEIK., SHARPE J., FITZPATRICK D. R.: "Optical Projection Tomographic Examination of Miscarried Human Embryos"  JOURNAL OF MEDICAL GENETICS (BRITISH HUMAN GENETICS CONFERENCE. YORK, ENGLAND, UK. SEPTEMBER 23-25),  vol. 39, no. supplement 1,  September 2002 (2002-09), page s23  XP009021392  ISSN 0022-2593  abstract</p>	1-10
X	<p>US 5 680 484 A (KIKUCHI SUSUMU ET AL)  21 October 1997 (1997-10-21)  cited in the application  abstract; claims</p>	1-10

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95 30167 A (MEDICAL RES COUNCIL ;WHITE JOHN GRAHAM (US); AMOS WILLIAM BRADSHAW) 9 November 1995 (1995-11-09) abstract; claims; figures ---	1-10
A	US 5 724 171 A (AMOS WILLIAM BRADSHAW ET AL) 3 March 1998 (1998-03-03) abstract; claims ---	1-10
A	US 5 032 720 A (WHITE JOHN G) 16 July 1991 (1991-07-16) abstract; claims -----	1-10

# INTERNATIONAL SEARCH REPORT

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Application No.

GB 03/03726

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 11, 12  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Publication No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02095476	A	28-11-2002	WO 02095476 A2	28-11-2002
US 5680484	A	21-10-1997	JP 3327948 B2 JP 5341195 A	24-09-2002 24-12-1993
WO 9530167	A	09-11-1995	WO 9530167 A1	09-11-1995
US 5724171	A	03-03-1998	DE 69415519 D1 DE 69415519 T2 EP 0699308 A1 WO 9427167 A1 JP 3403408 B2 JP 8510550 T	04-02-1999 27-05-1999 06-03-1996 24-11-1994 06-05-2003 05-11-1996
US 5032720	A	16-07-1991	CA 1329255 C US 5144477 A	03-05-1994 01-09-1992